



1600

RAW SEQUENCE LISTING

DATE: 06/02/2003

PATENT APPLICATION: US/09/710,444B

TIME: 14:40:18

Input Set : A:\sequence listing\Mzw2841.txt

Output Set: N:\CRF4\06022003\I710444B.raw

5 <110> APPLICANT: Diversys Limited
 7 Tomlinson, Ian
 9 Winter, Greg
 13 <120> TITLE OF INVENTION: Library
 17 <130> FILE REFERENCE: p3038.jp
 C--> 21 <140> CURRENT APPLICATION NUMBER: US/09/710,444B
 C--> 23 <141> CURRENT FILING DATE: 2000-11-20
 27 <150> PRIOR APPLICATION NUMBER: PCT/GB98/03135
 29 <151> PRIOR FILING DATE: 1998-10-20
 33 <150> PRIOR APPLICATION NUMBER: GB 9722131.1
 35 <151> PRIOR FILING DATE: 1997-10-20
 39 <150> PRIOR APPLICATION NUMBER: US 60/065428
 41 <151> PRIOR FILING DATE: 1997-11-13
 45 <150> PRIOR APPLICATION NUMBER: US 60/066729
 47 <151> PRIOR FILING DATE: 1997-11-21
 51 <160> NUMBER OF SEQ ID NOS: 87
 55 <170> SOFTWARE: PatentIn version 3.0
 59 <210> SEQ ID NO: 1
 61 <211> LENGTH: 20
 63 <212> TYPE: DNA
 65 <213> ORGANISM: Artificial
 69 <220> FEATURE:
 71 <223> OTHER INFORMATION: Description of Artificial Sequence: oligonucleotide
 73 <400> SEQUENCE: 1
 74 gaggtgcagc tgttgagtc
 77 <210> SEQ ID NO: 2
 79 <211> LENGTH: 69
 81 <212> TYPE: DNA
 83 <213> ORGANISM: Artificial
 87 <220> FEATURE:
 89 <223> OTHER INFORMATION: Description of Artificial Sequence: oligonucleotide
 91 <220> FEATURE:
 93 <221> NAME/KEY: variation
 95 <222> LOCATION: (23)..(24)
 97 <223> OTHER INFORMATION: X is any nucleotide
 101 <220> FEATURE:
 103 <221> NAME/KEY: variation
 105 <222> LOCATION: (29)..(30)
 107 <223> OTHER INFORMATION: X is any nucleotide
 111 <220> FEATURE:
 113 <221> NAME/KEY: variation
 115 <222> LOCATION: (32)..(33)
 117 <223> OTHER INFORMATION: X is any nucleotide

7P 1-6
 Does Not Comply
 Corrected Diskette Needed

give
 source of
 genetic
 material

20

see
 item III
 on error
 summary
 sheet

Per sequence
 Rules use
 "n"

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121 <220> FEATURE:
 123 <221> NAME/KEY: variation
 125 <222> LOCATION: (38)..(39)
 127 <223> OTHER INFORMATION: (X) is any nucleotide
 131 <220> FEATURE:
 133 <221> NAME/KEY: variation
 135 <222> LOCATION: (41)..(42)
 137 <223> OTHER INFORMATION: (X) is any nucleotide
 141 <220> FEATURE:
 143 <221> NAME/KEY: variation
 145 <222> LOCATION: (44)..(45)
 147 <223> OTHER INFORMATION: (X) is any nucleotide
 151 <220> FEATURE:
 153 <221> NAME/KEY: variation
 155 <222> LOCATION: (50)..(51)
 157 <223> OTHER INFORMATION: (X) is any nucleotide
 161 <400> SEQUENCE: 2

W--> 162 gcccttcacg gaggctgcgt amnntgtmnn mnnacmmnnm nnnmnaatmn ntgagaccca 60
 164 ctccagccc 69

167 <210> SEQ ID NO: 3
 169 <211> LENGTH: 69
 171 <212> TYPE: DNA
 173 <213> ORGANISM: Artificial
 177 <220> FEATURE:
 179 <223> OTHER INFORMATION: Description of Artificial Sequence: oligonucleotide
 181 <400> SEQUENCE: 3

182 tabhtgagac ccactccagc cgcgccttca cggagctctgc gtaabhtgta bhabhaccab 60
 184 habhabhaa 69

187 <210> SEQ ID NO: 4
 189 <211> LENGTH: 19
 191 <212> TYPE: DNA
 193 <213> ORGANISM: Artificial
 197 <220> FEATURE:
 199 <223> OTHER INFORMATION: Description of Artificial Sequence: oligonucleotide
 201 <400> SEQUENCE: 4

202 cgcagactcc gtgaagggc

205 <210> SEQ ID NO: 5
 207 <211> LENGTH: 53
 209 <212> TYPE: DNA
 211 <213> ORGANISM: Artificial
 215 <220> FEATURE:

217 <223> OTHER INFORMATION: Description of Artificial Sequence: oligonucleotide

219 <220> FEATURE:

221 <221> NAME/KEY: variation

223 <222> LOCATION: (23)..(24)

225 <223> OTHER INFORMATION: (X) is any nucleotide

229 <220> FEATURE:

231 <221> NAME/KEY: variation

233 <222> LOCATION: (26)..(27)

P.3

RAW SEQUENCE LISTING

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235 <223> OTHER INFORMATION: (X) is any nucleotide
 239 <220> FEATURE:
 241 <221> NAME/KEY: variation
 243 <222> LOCATION: (29)..(30) n
 245 <223> OTHER INFORMATION: (X) is any nucleotide
 249 <220> FEATURE:
 251 <221> NAME/KEY: variation
 253 <222> LOCATION: (32)..(33) n
 255 <223> OTHER INFORMATION: (X) is any nucleotide
 259 <400> SEQUENCE: 5
 W--> 260 tccctggccc cagtagtcaa amnnmnnmnn mnntttcgca cagtaataata cgg 53
 263 <210> SEQ ID NO: 6
 265 <211> LENGTH: 53
 267 <212> TYPE: DNA
 269 <213> ORGANISM: Artificial
 273 <220> FEATURE:
 275 <223> OTHER INFORMATION: Description of Artificial Sequence: oligonucleotide
 277 <400> SEQUENCE: 6
 278 tccctggccc cagtagtcaa aabhabhabh abhtttcgca cagtaataata cgg 53
 281 <210> SEQ ID NO: 7
 283 <211> LENGTH: 20
 285 <212> TYPE: DNA
 287 <213> ORGANISM: Artificial
 291 <220> FEATURE:
 293 <223> OTHER INFORMATION: Description of Artificial Sequence: oligonucleotide
 295 <400> SEQUENCE: 7
 296 gacatccaga tgaccagtc 20
 299 <210> SEQ ID NO: 8
 301 <211> LENGTH: 51
 303 <212> TYPE: DNA
 305 <213> ORGANISM: Artificial
 309 <220> FEATURE:
 311 <223> OTHER INFORMATION: Description of Artificial Sequence: oligonucleotide
 313 <220> FEATURE:
 315 <221> NAME/KEY: variation
 317 <222> LOCATION: (21)..(22) n
 319 <223> OTHER INFORMATION: (X) is any nucleotide
 323 <220> FEATURE:
 325 <221> NAME/KEY: variation
 327 <222> LOCATION: (30)..(31) n
 329 <223> OTHER INFORMATION: (X) is any nucleotide
 333 <400> SEQUENCE: 8
 W--> 334 atgggacccc accttgcaam nnggatgcmn natagatcag gagcttaggg g 51
 337 <210> SEQ ID NO: 9
 339 <211> LENGTH: 51
 341 <212> TYPE: DNA
 343 <213> ORGANISM: Artificial
 347 <220> FEATURE:
 349 <223> OTHER INFORMATION: Description of Artificial Sequence: oligonucleotide

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Input Set : A:\sequence listing\Mzw2841.txt

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351 <400> SEQUENCE: 9
 352 atgggacccc actttgcaaa bhggatgcab hatagatcag gagcttaggg g 51
 355 <210> SEQ ID NO: 10
 357 <211> LENGTH: 19
 359 <212> TYPE: DNA
 361 <213> ORGANISM: Artificial
 365 <220> FEATURE:
 367 <223> OTHER INFORMATION: Description of Artificial Sequence: oligonucleotide
 369 <400> SEQUENCE: 10
 370 ttgcaaagtg ggggcccat 19
 373 <210> SEQ ID NO: 11
 375 <211> LENGTH: 60
 377 <212> TYPE: DNA
 379 <213> ORGANISM: Artificial
 383 <220> FEATURE:
 385 <223> OTHER INFORMATION: Description of Artificial Sequence: oligonucleotide
 387 <220> FEATURE:
 389 <221> NAME/KEY: Variation
 391 <222> LOCATION: (23)..(24)
 393 <223> OTHER INFORMATION: X is any nucleotide
 397 <220> FEATURE:
 399 <221> NAME/KEY: Variation
 401 <222> LOCATION: (29)..(30)
 403 <223> OTHER INFORMATION: X is any nucleotide
 407 <220> FEATURE:
 409 <221> NAME/KEY: Variation
 411 <222> LOCATION: (32)..(33)
 413 <223> OTHER INFORMATION: X is any nucleotide
 417 <220> FEATURE:
 419 <221> NAME/KEY: Variation
 421 <222> LOCATION: (35)..(36)
 423 <223> OTHER INFORMATION: X is any nucleotide
 427 <220> FEATURE:
 429 <221> NAME/KEY: Variation
 431 <222> LOCATION: (38)..(39)
 433 <223> OTHER INFORMATION: X is any nucleotide
 437 <400> SEQUENCE: 11
 W--> 438 cttgggtccct tggccgaacg tmnnaggmnn mnnmnnmnnnc tgttgacagt agtaagttgc 60
 441 <210> SEQ ID NO: 12
 443 <211> LENGTH: 60
 445 <212> TYPE: DNA
 447 <213> ORGANISM: Artificial
 451 <220> FEATURE:
 453 <223> OTHER INFORMATION: Description of Artificial Sequence: oligonucleotide
 455 <400> SEQUENCE: 12
 456 cttgggtccct tggccgaacg tabhaggabh abhabhabhc tgttgacagt agtaagttgc 60
 459 <210> SEQ ID NO: 13
 461 <211> LENGTH: 20
 463 <212> TYPE: DNA

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DATE: 06/02/2003

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Input Set : A:\sequence listing\Mzw2841.txt

Output Set: N:\CRF4\06022003\I710444B.raw

465 <213> ORGANISM: Artificial

469 <220> FEATURE:

471 <223> OTHER INFORMATION: Description of Artificial Sequence: oligonucleotide

473 <400> SEQUENCE: 13

474 gaggtgcagc tgttgagtc

20

477 <210> SEQ ID NO: 14

479 <211> LENGTH: 53

481 <212> TYPE: DNA

483 <213> ORGANISM: Artificial

487 <220> FEATURE:

489 <223> OTHER INFORMATION: Description of Artificial Sequence: oligonucleotide

491 <220> FEATURE:

493 <221> NAME/KEY: Variation

495 <222> LOCATION: (21)..(22)

497 <223> OTHER INFORMATION: X is any nucleotide

501 <220> FEATURE:

503 <221> NAME/KEY: Variation

505 <222> LOCATION: (27)..(28)

507 <223> OTHER INFORMATION: X is any nucleotide

511 <220> FEATURE:

513 <221> NAME/KEY: Variation

515 <222> LOCATION: (33)..(34)

517 <223> OTHER INFORMATION: X is any nucleotide

521 <400> SEQUENCE: 14

W--> 522 ctggagcctg gcggaccam nncatmnnat amnngctaaa ggtgaatcca gag

53

525 <210> SEQ ID NO: 15

527 <211> LENGTH: 53

529 <212> TYPE: DNA

531 <213> ORGANISM: Artificial

535 <220> FEATURE:

537 <223> OTHER INFORMATION: Description of Artificial Sequence: oligonucleotide

539 <400> SEQUENCE: 15

540 ctggagcctg gcggaccxaa bhcatbhat aabhgctaaa ggtgaatcca gag

53

543 <210> SEQ ID NO: 16

545 <211> LENGTH: 19

547 <212> TYPE: DNA

549 <213> ORGANISM: Artificial

553 <220> FEATURE:

555 <223> OTHER INFORMATION: Description of Artificial Sequence: oligonucleotide

557 <400> SEQUENCE: 16

558 tgggtccgcc aggtccag

19

561 <210> SEQ ID NO: 17

563 <211> LENGTH: 53

565 <212> TYPE: DNA

567 <213> ORGANISM: Artificial

571 <220> FEATURE:

573 <223> OTHER INFORMATION: Description of Artificial Sequence: oligonucleotide

575 <220> FEATURE:

577 <221> NAME/KEY: Variation

Please correct this error in subsequent sequences

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/710,444B

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; N Pos. 23,24,29,30,32,33,38,39,41,42,44,45,50,51

Seq#:5; N Pos. 23,24,26,27,29,30,32,33

Seq#:8; N Pos. 21,22,30,31

Seq#:11; N Pos. 23,24,29,30,32,33,35,36,38,39

Seq#:14; N Pos. 21,22,27,28,33,34

Seq#:17; N Pos. 23,24,26,27,29,30,32,33

Seq#:20; N Pos. 21,22,27,28,30,31,33,34

Seq#:23; N Pos. 23,24

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27

Seq#:28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51

Seq#:52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75

Seq#:76,77,78,79,80,81,82,83,84,85,86,87

VERIFICATION SUMMARY

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Input Set : A:\sequence listing\Mzw2841.txt

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L:21 M:270 C: Current Application Number differs, Replaced Current Application Number
L:23 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:162 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:260 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:334 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:438 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:522 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:616 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:710 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
L:774 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0